



SUSSEX COUNTY ENGINEERING **PLAN SUBMISSION FORM**

Project Name: _____ **Date:** _____

Project Description: _____

Location: _____

Number of Building Lots/Units _____ **Total Quantity of Units to be connected:** _____

Total Feet of Forcemain _____

Commercial Units: _____

District: _____ **Map:** _____ **Parcel:** _____

Review Fee Amount: (Roads) _____ (Sanitary Sewer and/or Water) _____

P&Z Development Approval:

Subdivision No.: _____

RPC, Change of Zone No.: _____

Conditional Use No.: _____

Commercial Site Plan: _____

Zoning Designation: _____

Approval Date: _____

Approval Date: _____

Approval Date: _____

ie;AR-1, MR, HR

Ownership:

Sewer: Public _____ Private _____

Water: Public _____ Private _____

Roads: Public _____ Private _____

Developer's Name: _____

Contact Name: _____

Address: _____

City: _____ State: _____ Zip Code _____

Phone Number: _____ Fax Number: _____

Design Firm: _____

Contact Name: _____

Contact Phone Number: _____

Is an Approved Sewer Concept Plan Attached or a Letter indicating one is not needed? _____

Other:

PLAN REVIEW FEE SCHEDULE

(EFFECTIVE JULY 1, 2005 → December 31, 2006)

CHAPTER 99 – SUBDIVISION

FLAT FEE \$2,000.00

PER UNIT FEE \$ 42.00 EA.

Note: These fees include two (2) reviews of the submitted plans. If additional reviews are required an additional fee of \$20.00 per unit will be charged.

Additionally, there will be a fee of \$1,000 for each revision after County's approval of the plans.

ORDINANCE 38 OR 657 SEWER AND WATER

SEWER

- | | | |
|----|--|---------------------------------|
| 1. | FLAT FEE | <u>\$ 500.00</u> |
| 2. | PER UNIT FEE | \$ 20.00 EA. |
| 3. | PUMPING STATION WITH UP TO 1000 FEET OF
FORCE MAIN (EACH) | <u>\$ 2,500.00 EA.</u> |
| 4. | FORCE MAIN IN EXCESS OF 1000 FEET | \$ 150.00 PER
1000 FEET EA.* |

* NOTE: This fee is not prorated i.e. 2247 LF Force main adds \$300 to the review fee.

WATER

- | | | |
|----|--------------|------------------|
| 1. | FLAT FEE | <u>\$ 500.00</u> |
| 2. | PER UNIT FEE | \$ 20.00 EA. |

Note: These fees include two (2) reviews of the submitted plans. Additional reviews will be at 60 percent of the above fees.

Additionally, there will be a fee of \$1000 for each revision after County's approval of the plans.

ONSITE WASTEWATER TREATMENT AND DISPOSAL

1. To be announced at a later date.

Adopted June 28, 2005

PRIVATE ROAD CONSTRUCTION PLAN REQUIREMENTS

CHECK BOX

- ☐ 1. Submit a Copy of the Sussex County Planning and Zoning Commission and/or Sussex County Council preliminary approval letter; site plan approval letter; time extension approval letter; conditional use approval with conditions and stipulations; change of zone ordinance approval with conditions and stipulations; as applicable.

Construction plan sets shall include, but are not limited to, the following:

- ☐ 2. A plan Cover/ Title Sheet with an index of the plans.
- ☐ 3. A Phase Identification Plan.
- ☐ 4. A copy of the preliminary Site/Master Plan or Record Plat approved by the Planning and Zoning Commission and/or Sussex County Council.
- ☐ 5. Private Road Construction Plans, Profiles, and Details. Include details for all structures related to regulated improvements such as but not limited to; bridges, retaining walls, etc.
- ☐ 6. The Del. DOT Entrance Plan.
- ☐ 7. A Traffic Control Plan and Details and Street Name Sign Details.
- ☐ 8. Include within the construction plans, improvements required by the Planning and Zoning Commission or Sussex County Council approvals, such as; side walks, street lighting and landscaping.
- ☐ 9. Include the Sanitary Sewer Concept Plan, approved and stamped by the County Engineering Department, Planning and Permits Division, in the appropriate section of each set of the construction plans or submit a letter from that Division indicating that a concept plan is not required.
- ☐ 10. Sanitary Sewer and/or Central Water System Plans, Profiles, Details and Specifications.
- ☐ 11. The State Fire Marshall's Office Plan.
- ☐ 12. Other Utility Plans, including but not limited to: Water, Gas, etc.
- ☐ 13. The Stormwater Management Plan and the Erosion and Sediment Control Plan.
- ☐ 14. Submit two (2) copies of the Stormwater Management Report and calculations.

Please be advised that for all developments with onsite community sanitary sewer treatment and disposal systems, a copy of the DNREC Permit, verifying capacity for the number of units proposed, will be required.

GRAVITY SEWERS

Design Information:

Type of pipe: _____

Length: _____ ft. Diameter: _____ in.

Number of Manholes: _____ Maximum distance between manholes? _____

Minimum slope provided: _____ ft/ft. Minimum velocity provided: _____ ft/sec.

Minimum ground cover for pipe provided _____ ft.

Design flow:

Average Daily Flow: _____ gallons/day

Peak Design Flow: _____ gallons/day

Capacity _____ gallons/day

Joint Specifications: _____

Are drop type manholes provided? _____

Will minimum ten-foot horizontal and eighteen inch vertical separation from water lines be maintained? ____

Jack & Bores (Number, Length): _____

Stream crossings: _____

Other Comments:

PUMP STATIONS & FORCE MAINS

(If more than one station is being proposed, please complete the following for each station and forcemain)

Station Number: _____

Station Capacity:

Design Flow _____ gallons/day

Average Flow _____ gallons/day

Peak Flow _____ gallons/day

Non-clog or Grinder Pumps: _____

Design Considerations for Pump Station:

Can peak flow be accommodated if largest unit fails? _____

Are check valves provided on the discharge line? _____

If not, explain alternative procedure

Are gate valves provided on the discharge line? _____

Is ventilation provided in wet well? _____

Is an alarm system included? _____

Is an alternate source of power provided? _____

What other provisions are included for emergency operations?

Physical Conditions:

Height of influent above pump (suction head): _____ ft.

Height of pump effluent above pump (discharge head): _____ ft.

Friction loss: _____ ft.

Pump capacity _____ gal/min.

Head Characteristics:

Static head _____ ft.

Total head _____ ft.

Horsepower Characteristics:

Required motor horsepower _____ hp.

Design Considerations for Force Main:

Directional Drill or open cut? _____

Pipe Material: _____

Hazen-Williams "C" factor used for design _____

Diameter _____ in. Total Length _____ ft.

Velocity at design average flow _____ ft/sec.

Are air relief valves specified? _____

Minimum ground cover for pipe provided? _____

Are drop type manholes provided? _____

Will minimum ten-foot horizontal and eighteen-inch vertical separation from water lines be maintained? _____

Type of joint specified? _____

Other Comments:
